

WHAT IS CLAIMED IS:

1. A stabilizer composition comprising:

a) a microemulsion of an overbased metal carbonate/carboxylate obtained from the reaction of an oxide and/or hydroxide of a metal selected from the group consisting of sodium, potassium, calcium, magnesium, zinc and mixtures thereof, an aliphatic carboxylic acid in which the aliphatic moiety contains up to about 30 carbon atoms and carbon dioxide in the presence of a solvent for the aliphatic carboxylic acid, a promoter and a microemulsion-forming amount of surfactant; and,

b) at least one organotin stabilizer.

2. The stabilizer composition of Claim 1 in which the metal carbonate/carboxylate is selected from the group consisting of calcium carbonate, calcium carboxylate, zinc carbonate, zinc carboxylate and mixtures thereof.

3. The stabilizer composition of Claim 1 in which the carboxylate group is derived from an aliphatic carboxylic acid selected from the group consisting of caprylic acid, capric acid, lactic acid, lauric acid, myristic acid, myristoleic acid, decanoic acid, dodecanoic acid, pentadecanoic acid, palmitic acid, palmitoleic acid, margaric acid, stearic acid, 12-hydroxystearic acid, oleic acid, ricinoleic acid, linoleic acid, arachidic acid, gadoleic acid, eicosadienoic acid, behenic acid, erucic acid, tall oil fatty acids, rapeseed oil fatty acid, linseed oil fatty acid and mixtures thereof.

4. The stabilizer composition of Claim 2 in which the carboxylate group is derived from an aliphatic carboxylic acid selected from the group consisting of caprylic acid, capric acid, lactic acid, lauric acid, myristic acid, myristoleic acid, decanoic acid, dodecanoic acid, pentadecanoic acid, palmitic acid, palmitoleic acid, margaric acid, stearic acid, 12-hydroxystearic acid, oleic acid, ricinoleic acid, linoleic acid, arachidic acid, gadoleic acid,

eicosadienoic acid, behenic acid, erucic acid, tall oil fatty acids, rapeseed oil fatty acid, linseed oil fatty acid and mixtures thereof.

5. The stabilizer composition of Claim 1 in which the surfactant is selected from the group consisting of sorbitol, pentaerythritol, sugar alcohols and mixtures thereof.
- 5 6. The stabilizer composition of Claim 1 in which the organotin stabilizer is an alkyltin carboxylate, alkyltin mercaptide, or mixture thereof in which the alkyl groups contain from 1 to about 30 carbon atoms.
7. The stabilizer composition of Claim 6 wherein the alkyltin mercaptide is selected from the group consisting of methyltin tris (2-ethylhexyl thioglycolate), dimethyltin bis
10 (2-ethylhexyl thioglycolate), butyltin tris (lauryl mercaptide), dioctyl tin bis (isooctyl thioglycolate), octyltin tris (isooctyl thioglycolate) and mixtures thereof.
8. The stabilizer composition of Claim 6 wherein the alkyltin carboxylate is selected from the group consisting of methyltin tris(2-ethyl hexyl maleate), dimethyltin bis(2-ethyl hexyl maleate), dibutyltin bis (isooctyl maleate) and mixtures thereof.
- 15 9. The stabilizer composition of Claim 1 wherein the weight ratio of (a) to (b) is from about 99:1 to about 1:99.
10. The stabilizer composition of Claim 1 wherein the weight ratio of (a) to (b) is from about 10:90 to about 90:10.
11. The stabilizer composition of Claim 1 wherein the weight ratio of (a) to (b) is from about
20 20:80 to about 50:50.
12. The stabilizer composition of Claim 1 comprising at least one additional component selected from the group consisting of solvents, epoxies, β -diketones, organic phosphites, antioxidants, radical scavengers, optical brighteners, light stabilizers, perchlorates, fillers, plasticizers, impact modifiers and pigments.

13. The stabilizer composition of Claim 12 wherein the solvent is a paraffinic oil having a boiling point higher than about 120°C.
14. The stabilizer composition of Claim 12 wherein the equivalent ratio of basic metal compound to aliphatic acid is about 1 to about 10.
- 5 15. A halogen-containing polymer composition comprising a halogen-containing polymer and a stabilizing amount of a stabilizer composition comprising:
- a. a microemulsion of an overbased metal carbonate/carboxylate obtained from the reaction of an oxide and/or hydroxide of a metal selected from the group consisting of sodium, potassium, calcium, magnesium, zinc and mixtures thereof, an aliphatic carboxylic acid in which the aliphatic moiety contains up to about 30 carbon atoms and carbon dioxide in the presence of a solvent for the aliphatic carboxylic acid, a promoter and a microemulsion- forming amount of surfactant; and,
 - b. at least one organotin stabilizer.
- 10 16. The halogen-containing polymer composition of Claim 15 wherein the halogen-containing polymer is a polyvinyl chloride homopolymer or a copolymer of vinyl chloride with an unsaturated monomer.
17. The halogen-containing polymer composition of Claim 16 wherein the unsaturated monomers are selected from the group consisting of alpha olefins, acrylic acid, vinyl monomers, maleates and combinations thereof.
- 20 18. The halogen-containing polymer composition of Claim 15 wherein the metal carbonate/carboxylate is selected from the group consisting of calcium carbonate, calcium carboxylate, zinc carbonate, zinc carboxylate and mixtures thereof.

19. The halogen-containing polymer composition of Claim 15 wherein the
carboxylate group is derived from an aliphatic carboxylic acid selected from the group
consisting of caprylic acid, capric acid, lactic acid, lauric acid, myristic acid,
myristoleic acid, decanoic acid, dodecanoic acid, pentadecanoic acid, palmitic acid,
5 palmitoleic acid, margaric acid, stearic acid, 12-hydroxystearic acid, oleic acid,
ricinoleic acid, linoleic acid, arachidic acid, gadoleic acid, eicosadienoic acid, behenic
acid, erucic acid, tall oil fatty acids, rapeseed oil fatty acid, linseed oil fatty acid and
mixtures thereof.
20. The halogen-containing polymer composition of Claim 15 wherein the
10 surfactant is selected from the group consisting of sorbitol, pentaerythritol, sugar
alcohols and mixtures thereof.
21. The halogen-containing polymer composition of Claim 16 wherein the organotin
stabilizer is a alkyltin carboxylate, alkyltin mercaptide, or mixture thereof in which
the alkyl groups contain from 1 to about 30 carbon atoms.
- 15 22. The halogen-containing polymer composition of Claim 15 wherein the
alkyltin mercaptide is selected from the group consisting of methyltin tris (2-
ethylhexyl thioglycolate), dimethyltin bis (2-ethylhexyl thioglycolate), butyltin tris
(lauryl mercaptide), dioctyl tin bis (isooctyl thioglycolate), octyltin tris (isooctyl
thioglycolate) and mixtures thereof.
- 20 23. The halogen-containing polymer composition of Claim 16 wherein the alkyltin
carboxylate is selected from the group consisting of methyltin tris(2-ethyl hexyl
maleate) and dimethyltin bis(2-ethyl hexyl maleate), dibutyltin bis (isooctyl maleate),
and mixtures thereof.
24. The halogen-containing polymer composition of Claim 16 wherein the weight ratio of
25 (a) to (b) is from about 99:1 to about 1:99.

25. The halogen-containing polymer composition of Claim 16 wherein the weight ratio of (a) to (b) is from about 10:90 to about 90:10.
26. The halogen-containing polymer composition of Claim 16 wherein the weight ratio of (a) to (b) is from about 20:80 to about 50:50.
- 5 27. The halogen-containing polymer composition of Claim 16 comprising at least one additional component selected from the group consisting of solvents, epoxies, β -diketones, organic phosphites, antioxidants, radical scavengers, optical brighteners, light stabilizers, perchlorates, fillers, plasticizers, impact modifiers and pigments.
- 10 28. The halogen-containing polymer composition of Claim 27 wherein the solvent is a paraffinic oil having a boiling point higher than about 120°C.
29. The halogen-containing polymer composition of Claim 16 wherein the equivalent ratio of basic metal compound to aliphatic acid is about 1 to about 10.